

ADD-ON
Zoology

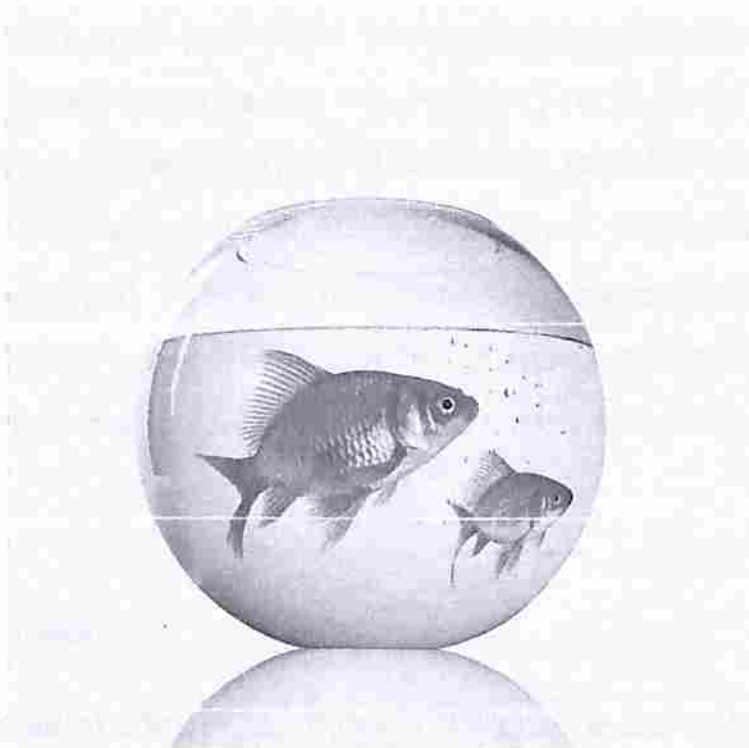
ST GREGORIOS COLLEGE KOTTARAKARA

DEPARTMENT OF ZOOLOGY

ADD ON COURSE IN

ORNAMENTAL FISH KEEPING & BREEDING

REPORT



Mrs. Lincy Alex

Course co-ordinator

(Assistant Professor in Zoology)



Dr. SUMAN ALEXANDER
PRINCIPAL
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KOTTARAKARA

**ADD ON COURSE IN
ORNAMENTAL FISH KEEPING & BREEDING**

Ornamental fish keeping and its breeding has been an interesting activity for many, which provide not only aesthetic pleasure but also financial openings. Ornamental fishes have a good potential due to enormous geographical spread, extensive species diversity and intensive research and development effort. Considering these aspects the Department of Zoology commenced add on course in Ornamental fish keeping and Breeding in 2013. The course has a syllabus of 40 hours which includes two papers namely ornamental fish keeping and ornamental fish breeding. The course offers invited lectures by eminent personalities in this field, field trips and training for farmers and students.

Course outcome:

- ❖ To enable students to manage the home as well as commercial aquariums
- ❖ To make them able to handle different aquarium accessories.
- ❖ To understand aquarium décor and its importance.
- ❖ To understand the breeding of Aquarium Fishes.
- ❖ To practice them various techniques of ornamental fish breeding, rearing and its marketing to make them self-sustainable after completing certificate course.




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REPORT

Academic Year 2015-2016

During the academic year 2015-16, students from the Department of Zoology and Botany joined for the course and the total strength was twenty eight. . Syllabus based classes were given through power point presentation. Field trip was conducted to Gouwri Krishna Aqua farm, Chadayamangalam. It was very thrilling experience for the students. The proprietor of the farm explained the varieties of ornamental fishes and breeding technologies. He narrated his own experiences in ornamental fish culture and feed preparation. Students observed different colour varieties of fighter fish which kept in glass jars. Students purchased different varieties of ornamental fishes from the farm. Mrs. Reshma Prabhakar Faculty, School of Applied Life Sciences, Mahatma Gandhi University gave one day class on ornamental fish diseases, symptoms of diseases and control measures. The class was very informative and students elucidated their doubts regarding ornamental fish diseases. The examination was conducted on September 2016. Certificates were distributed to the students.

Academic Year 2016-2017

During 2016-17, Thirty Five students from the Department of Botany and Zoology joined for the course and the classes started on November 2016. The syllabus was completed through lecture classes and power point presentations. Field trip to Gouwri Krishna Aqua farm, Chadayamangalam was arranged on




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15th April 2017. Students experienced the beauty of varieties of ornamental fishes. The proprietor of the farm described the breeding techniques of aquarium fishes in his farm, and encouraged students to set a beautiful aquarium in their own houses. Our alumnus Jincy Joy, post graduate in aquatic Biology and Fisheries was our resource person for handling classes in ornamental fish keeping and breeding for our students. Her class was an inspiration for our students to apply for such courses and to study more about fishes.

Academic Year 2017-2018

Students from the Department of Botany and Zoology joined for the course and Twenty Three students completed the course. The course covered theory and practical aspects of rearing live bearers and egg layers, fabrication and setting of aquariums, water quality management in aquariums, aeration and filtration in aquariums, role of feed and feeding habits of common ornamental fishes as well as beautification of the aquarium. Jincy Joy, our former student offered a power point presentation on ornamental fish keeping and breeding. Examination was conducted on September 2018 and certificates were distributed.

Academic Year 2018-2019

The classes were started on September 2018 and thirty students from both first B Sc Zoology and Botany joined for the course. The syllabus based power point





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presentation was given to clear the topics such as breeding and keeping of ornamental fishes, filtration and aeration in aquarium, feeds and live feed culture. Jincy Joy, our former student took class on ornamental fish breeding. Hand on training in setting up of aquarium was also given to the students. As part of the course we conducted a training programme on Aquaponics for fish farmers of Kollam District in association with ATMA , Department of Agriculture , Govt. of Kerala. Mr. Aneesh, Kerala State Award winner in bio farming was the resource person. He explained the methods in aquaponics, the fishes and vegetables used for this system and advantages of this farming. Our Add on course students also participated in the programme. The examination was conducted on March 2019 and certificates were issued.

Academic Year 2019-2020

The classes were started on August 2019 and Twenty Five from first B Sc Zoology participated in the course. The course was strongly focused on giving the participants knowledge in ornamental fish keeping, aquarium management, ornamental fish breeding, filtration, feeding and décor. Syllabus was completed through on line classes. Lecture video prepared by our former student Jincy Joy was very helpful for the students to understand various aspects of ornamental fish keeping.




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**FIELD VISIT AT GOUWRI KRISHNA AQUAFARM
CHADAYAMANGALAM**



Hatchery complex



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CLASS ON ORNAMENTAL FISH KEEPING



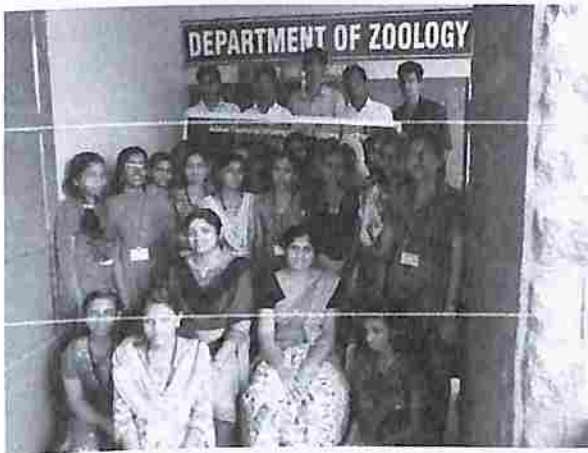
CLASS BY EXPERTS IN THE FIELD OF AQUARICULTURE



[Handwritten Signature]
DR. SURESH K. SK
PRINCIPAL
ST. GREGORIOS COLLEGE
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Mrs. Reshma Prabhakar, School of Applied Life Sciences, Mahatma Gandhi University



**Dr. SUMAN ALEYANIER
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Aquarium keeping and maintenance by students



Suman Alexander
Dr. SUMAN ALEXANDER
PRINCIPAL,
ST. GREGORIOS COLLEGE
KOTTARAKARA

St. Gregorios College Kottarakara
Add on course in Ornamental Fish Keeping and Breeding
Consolidated Mark sheet 2015-2016

Sl. No	Name of students	Assignment	Attendance	Paper I	Paper II	Practicals	Field trip	Total
		10	10	50	50	60	20	200
1	JOOLY JOY	10	10	42	40	60	20	182
2	VARSHA KRISHNAN	10	10	38	43	60	20	181
3	NISHA B	10	10	45	45	60	20	190
4	NANDU KRISHNAN	10	10	44	43	60	20	187
5	APARNA MADHU	10	10	40	42	60	20	182
6	KARTHIKA S	10	10	45	42	60	20	187
7	ASRITHA SURESH	10	10	38	40	60	20	178
8	JYOTHI K MANU	10	10	36	41	60	20	177
9	ANEENA ANIL	10	10	35	34	60	20	169
10	SMITHA M	10	10	38	39	60	20	177
11	HARITHA A S	10	10	37	38	60	20	175
12	GEENA THOMAS	10	10	40	42	60	20	182
13	ABHIJITH R	10	10	45	43	60	20	188
14	ANANTHU M	10	10	38	41	55	15	169
15	BOBY MANI	10	10	40	39	55	15	169
16	SANJU JACOB	10	10	41	39	60	20	180
17	ANAKHA KS	10	10	40	37	60	20	177
18	LEKSHMI P BALACHANDRAN	10	10	38	38	60	20	176
19	RINJU T RAJU	10	10	37	41	60	20	178
20	RAMZIYA MS	10	10	41	41	60	20	182
21	SIBI K	10	10	38	35	60	20	173
22	FATHIMA A S	10	10	39	42	60	20	181
23	ANU M SHAJU	10	10	43	44	60	20	187
24	ATHIRA BABU	10	10	37	42	60	20	179
25	PRAJITHA PRAVEEN	10	10	38	41	60	20	179
26	ANEENA SEN T T	10	10	35	40	60	20	175
27	ATHIRA MG	10	10	40	36	60	20	176
28	GEETHU KRISHNAN	10	10	38	38	60	20	176




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16
 [I Year Zoology & Botany students]
 19 + 11
 2015-18 Batch (11th Batch)

Academic year

Course code: - ZO OF - 1

Sl. No.	Name	Subject	1	2	3	4	5	6	7	8	9	10	11	12
1	Jooly Joy	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
2	Varsha Krishnan	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
3	Nisha B	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
4	Nandu Krishnan	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
5	Aparna Madhu	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
6	Kasthika S	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
7	Asritha Suresh	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
8	Jyothi K Manu	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
9	Aneena Anil	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
10	Smitha M	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
11	Haritha A.S.	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
12	Greena Thomas	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
13	Abhijith R	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
14	Ananthu M	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
15	Boby Mani	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
16	Bijith S.	(Zoo) X	X	X	X	X	X	X	X	X	X	X	X	X
17	Sanju Jacob	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
18	Anagha K.S.	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
19	Leleshmi P. Balachandran	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X
20	Rinju T Raju	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
21	Ramziya M.S.	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
22	Sibi K	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
23	Jibin Abraham Dolly	(Zoo) X	X	X	X	X	X	X	X	X	X	X	X	X
24	Fathima A S	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
25	Anu M Shaiju	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
26	Athira Babu	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
27	Pranjitha Praveen	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
28	Aneena San TT	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
29	Athira M.G	(Bot)	X	X	X	X	X	X	X	X	X	X	X	X
30	Creethu Krishnan	(Zoo)	X	X	X	X	X	X	X	X	X	X	X	X

Course started on November 20th 2015

(World Fisheries Day) → 21st November



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- 20/11/15
- 27/11/15
- 4/12/15
- 8/11/16
- 21/1/16
- 5/2/16
- 12/2/16
- 24/2/16
- 11/4/2016
- 18/4/2016
- 8/6/2016
- 15/6/2016

Register of attendance for the Month of

2017-18

2017-20 Admission

NAME

IV Batch

Special remarks if any

3/11/2017
7/12/2017
22/12/2017
28/12/2017
12/1/2018
5/2/2018
17/2/2018
1/3/2018
7/3/2018
16/3/2018
19/8/2018
28/5/2018

Serial No	NAME	Special remarks if any	3/11/2017	7/12/2017	22/12/2017	28/12/2017	12/1/2018	5/2/2018	17/2/2018	1/3/2018	7/3/2018	16/3/2018	19/8/2018	28/5/2018
1	Shobhana . S.	(Botany)	a	x	x	x	x	a	x	x	x	x	a	x
2	Athira A R	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
3	Swathy J. A	(Botany)	x	x	x	x	a	x	x	x	x	x	x	x
4	Sarayu Saiju	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
5	Cropika I	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
6	Amala B Hari	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
7	Vidhya VM	(Botany)	x	x	a	x	x	x	a	x	x	x	x	x
8	Jesmy Varghese	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
9	Arathy S. Dev	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
10	Athira B	(Botany)	x	x	x	a	x	x	x	x	a	x	x	x
11	Devika D	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
12	Fathima S	(Botany)	x	a	x	x	x	a	x	x	x	x	x	x
13	Angel Anna Koshy	(Botany)	x	x	x	a	x	x	x	x	x	x	x	x
14	Alpha S	(Botany)	x	x	x	x	a	x	x	x	x	x	x	x
15	Narani J Krishna	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x
16	Asha Sunil	(Botany)	x	x	x	a	x	x	x	x	x	x	x	x
17	Beneetha Benjamin	(Zoology)	x	x	x	x	x	a	x	a	x	x	x	x
18	Ananya V	(Zoology)	x	x	a	x	x	x	x	x	a	x	x	x
19	Arya M	(Zoology)	x	x	x	x	a	x	x	x	a	x	x	x
20	Analcha B Nadi	(Zoology)	x	x	x	a	x	x	x	x	x	x	x	x
21	Meenu A	(Zoology)	x	x	x	x	a	x	x	a	x	x	x	x
22	Sree Vijay	(zoology)	x	a	x	x	x	a	x	x	x	x	x	x
23	Amsutha H.S	(Botany)	x	x	x	x	x	x	x	x	x	x	x	x

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classes started on 3/11/2017 4
Exams concluded on

Register of attendance for the Month of

2018-19

NAME

2018-2021 Batch
V BatchSpecial remarks
(if any)

21/12/2019

Sl. No.	Name	Subject
1	Akhila Raj S	(Zoology)
2	Alina - A	(Zoology)
3	Haritha S S	(Zoology)
4	Pravathy B.S	(Zoology)
5	Rajitha Biju	(Zoology)
6	Anjana V S	(Zoology)
7	Sneha Shaji	(Zoology)
8	Moby Francis	(Zoology)
9	Asun Raj	(Botany)
10	Nikitha A	(Botany)
11	Nikitha Raj	(Botany)
12	Amy Mamachan	(Botany)
13	Megha M. M.	(Botany)
14	Fathima J Salim	(Botany)
15	Amina S S	(Botany)
16	AnuAjay R	(Botany)
17	Athira Rajan	(Botany)
18	Binsha Baiju	(Zoology)
19	Aswathy V	(Zoology)
20	Anu saji	(Zoology)
21	Anakha Santhosh	(Zoology)
22	Shammas S	(Zoology)
23	Yathish Krishnan . M	(Zoology)
24	Sukruth Sagar J	(Zoology)
25	Abhijith Krishnan V	(Zoology)
26	Anu kunjimon	(Zoology)
27	Atchil B	(Zoology)
28	Sreesag R.S	(Zoology)
29	Adwaitth Krishnan	(Zoology)
30	Anujith SP	(Zoology)



S.E.

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